

ABSTRACT OF THE DISCLOSURE

A distributed system of this invention forms
multiplexing by n computers, and permits up to f
computers to fail and halt. Respective computers
5 exchange input candidates via an internal network B ,
and generate lists of input candidates. Each computer
repeats generation of the list until $(n - f)$ identical
input candidates appear in that list. A computer which
satisfies this condition executes its process
10 irrespective of the states of other computers. This
distributed system never generates a split brain in
principle, and never interrupts a process upon
occurrence of a failure due to time-out since it does
not perform any failure detection.